

Feb. 3. 2006 10:11AM INGRASSIA FISHER & LORENZ PC
Appl. No. 10/813,851
Amdt. Dated February 3, 2006
Reply to Office Action of November 10, 2005

No. 5983 P. 3

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the above-identified application:

1. (Currently Amended). A method for repairing a worn regulator valve that includes a housing having an initial passage of a first cross-sectional diameter, and an initial poppet including at least a surface disposed within the initial passage, the surface having an initial diameter, the method comprising the steps of:
removing the initial poppet from the housing;
boring a housing thereby creating a passage; and the initial passage so as to create an enlarged passage of a second cross-sectional diameter that is greater in magnitude than the first cross-sectional diameter; and
providing a replacement poppet including at least a surface having a diameter that is greater than the initial diameter and configured to fit slidably within the enlarged passage and wherein at least the replacement poppet surface and the enlarged passage housing fit so as to restrict airflow therebetween.
2. (Cancelled).
3. (Currently Amended). The method according to claim 1 wherein the ~~step of providing a poppet further comprises a~~ replacement poppet includes defining a first surface and a second surface in contact with the enlarged passage.

Feb. 3. 2006 10:12AM INGRASSIA FISHER & LORENZ PC
Appl. No. 10/813,851
Amdt. Dated February 3, 2006
Reply to Office Action of November 10, 2005

No. 5983 P. 4

4. (Currently Amended). The method according to claim 1 wherein the ~~step of~~
~~providing a replacement~~ poppet further comprises a poppet comprising NITRONIC
60 stainless steel.

5. (Currently Amended). The method according to claim ~~4~~ 3 wherein the ~~step of~~
~~providing a replacement~~ poppet further comprises a poppet defining a tapered regulator
disposed between the surfaces with an angle of between about 6.5° and about 7.5° relative
to ~~the~~ a central axis of the replacement poppet.

6 – 20. (Cancelled).

21. (New). The method of Claim 5, wherein the replacement poppet and the
tapered regulator are machined from a unitary piece.